

Patent Abstracts of Japan

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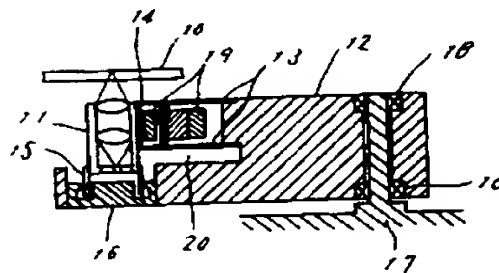
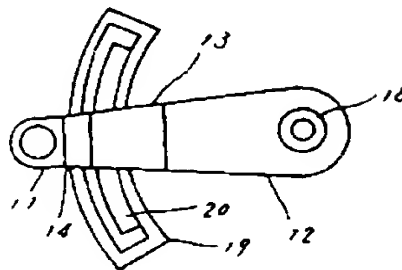
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APPLICATION NUMBER : 59220406

APPLICANT : HITACHI LTD;

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TITLE : OPTICAL SYSTEM SCANNER



ABSTRACT : PURPOSE: To obtain an optical system scanner which is capable of high-speed access by setting a drive point (a drive coil) between an optical system and a fulcrum.

CONSTITUTION: An optical system 11 which focuses luminous flux to a disk 10 is attached to a place near the tip of a rotary arm 12 by a plate spring 13. The arm 12 is fixed to a base 17 by a bearing 18 and can be freely revolved. A focusing action is carried out with the drive of a magnetic circuit 16 and a coil 15 attached at the lower part of the system 11. In addition, the focusing action is performed with a cylindrical coil 14 fixed at the side of the system 11. The coil 14 can revolve around a bearing 18 within an arc-shaped gap formed with a magnet 20 and a magnetic path 19. The effects of the mechanical resonance of the arm 12, etc. can be reduced since the system 11 to be actuated has a direct drive point.

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